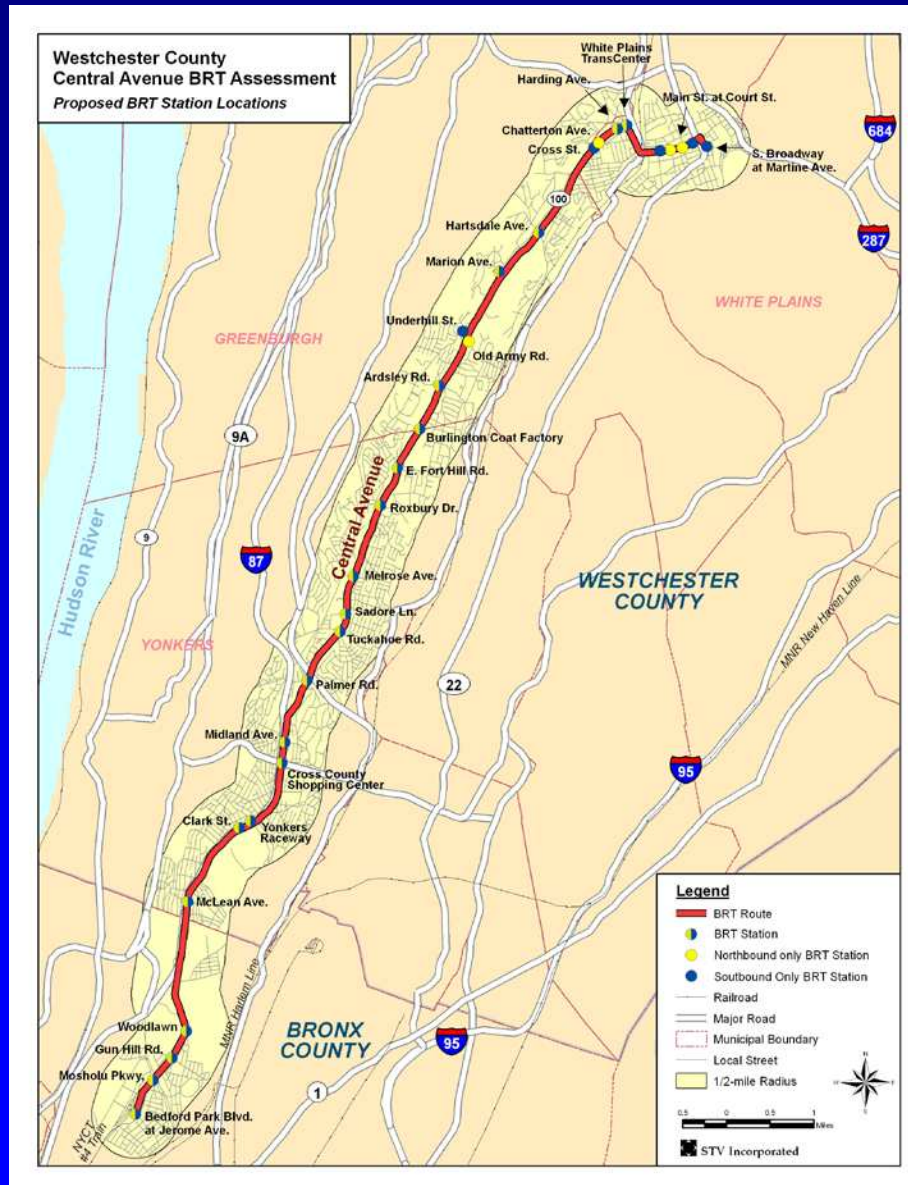


# The Central Avenue Corridor BRT



# What did we learn?

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***NEAR TERM SOLUTIONS!*** Add service to Yonkers Raceway and Cross County Shopping Center.

***IT WORKS!*** BRT is feasible on the Central Avenue corridor.

***SAVES TIME!*** What would you do with an extra 20 to 48 minutes per day? BRT could offer tremendous travel time times savings.

***ATTRACTS NEW RIDERS!*** BRT could help grow corridor ridership by 35%.

***CHANGE!*** BRT can help change Westchester County's perception of bus travel.



# Vehicle Solutions

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- Attractive styling inspired by Light Rail Transit features.
- 60-foot vehicle for greater capacity.
- Low-floor vehicles and level boarding platforms at stations make boarding easy.
- Three wide doors to keep you and the vehicle moving.



# Operations/Fare Collection Solutions

## *When will it operate?*

- BRT operates all day, 7 days a week.

## *How will it operate?*

- Every 10 minutes during rush hours.
- Every 15 minutes at other times.

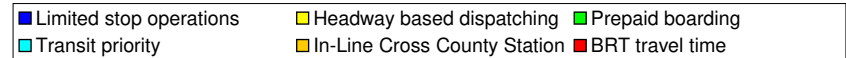
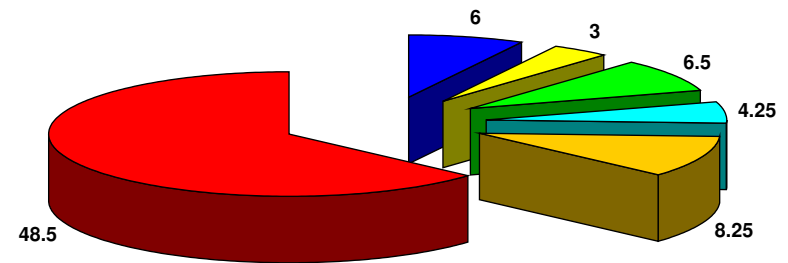
## *Fewer Stops!*

- Today – 71 stops on Route 20 (every 1/5 mile)
- BRT – 25 stations (every 3/4 to 1 mile)
- Free transfers between local bus and BRT services.

## *Fare collection*

- Fares prepaid at station allowing boarding through any door for quicker trips.

**BRT Travel Time Components (in minutes)  
Weekdays - Southbound**



Limited stop operations, headway-based dispatching, and pre-paid boarding combined account for 20% of travel time savings.

# Station Solutions

Attractive stations inspired by Light Rail Transit styling.

Amenities include:

- Stylish shelters, Ticket Vending Machines (TVM), seating, bicycle racks, electronic real time message signs, route maps, and schedules.



Rendering of proposed BRT station at Ft. Hill Rd.

Route 20 Service

Stations	Route 20	BRT	Supp. BRT
Jerome Ave @ Bedford Park Blvd	●	●	●
Jerome Ave @ E Mosholu Pkwy	●	●	●
Jerome Ave @ E Gun Hill Rd	●	●	●
Jerome Ave @ Bainbridge Ave (Woodlawn Subway Station)	●	●	●
Jerome Ave @ E 233rd St	●	●	●
Central Park Ave @ Delano Ave	●	●	●
Central Park Ave @ McLean Ave	●	●	●
Central Park Ave @ Huntington Dr	●	●	●
Central Park Ave @ Hall Pl	●	●	●
Central Av @ Hillview Res Overpass	●	●	●
Central Park Ave @ Clark St	●	●	●
Central Park Ave @ Yonkers Ave	●	●	●
Central Park Ave @ Kettell Ave	●	●	●
Central Park Ave @ Mile Square Rd	●	●	●
Central Park Ave @ Mildred Ave	●	●	●
Cross County Shopping Ctr	●	●	●
Central Park Ave @ Midland Ave	●	●	●
Central Park Ave @ Rutland Rd	●	●	●
Central Park Ave @ Palmer Rd	●	●	●
Central Park Ave @ Arlington St	●	●	●
Central Park Av @ Library Overpass	●	●	●
Central Park Ave @ Yonkers Library	●	●	●
Central Park Ave @ Tuckahoe Rd	●	●	●
Central Park Ave @ Sadore La	●	●	●
Central Park Ave @ Balint Dr	●	●	●
Central Park Ave @ Underhill St	●	●	●
Central Park Ave @ Melrose Ave	●	●	●
Central Park Ave @ Northrup Ave	●	●	●
Central Park Ave @ Verona Ave	●	●	●
Central Park Ave @ Chester Dr	●	●	●
Central Park Ave @ Alta Vista Dr	●	●	●
Central Park Ave @ Roxbury Dr	●	●	●
Central Park Ave @ Crisfield St	●	●	●
Central Park Ave @ Kohl Shopping Ctr	●	●	●
Central Park Ave @ E Fort Hill Rd	●	●	●
Central Park Av @ Burlington Coat	●	●	●
Central Park Av @ Central Plaza Shopping Ctr	●	●	●
Central Park Ave @ Clifton Rd	●	●	●
Central Park Av Opp Midway Shopping Ctr	●	●	●
Central Park Ave @ Ardsley Rd	●	●	●
Central Park Ave @ Henry St	●	●	●
Central Park Ave @ Mount Joy Ave	●	●	●
Central Park Av @ A & P Market	●	●	●
Central Park Ave @ Old Army Rd	●	●	●
Central Av @ European Health Spa	●	●	●
Central Park Ave @ Dromore Rd	●	●	●
Central Park Ave @ S Healy Ave	●	●	●
Central Park Av Opp Treasure Island	●	●	●
Central Park Ave @ Marion Ave	●	●	●
Central Park Av @ Global Gatherings	●	●	●
Central Park Ave @ S Washington Ave	●	●	●
Central Park Ave @ E Hartsdale Ave	●	●	●
Central Park Ave @ Lawton Ave	●	●	●
Central Park Ave @ Lakeview Ave	●	●	●
N Central Ave @ Jane St	●	●	●
Central Park Ave @ Harvard Dr	●	●	●
Central Park Ave @ Chatterton Pkwy	●	●	●
Central Park Ave @ Concord Ave	●	●	●
Central Ave @ Battle Ave	●	●	●
Central Av @ Vitamin Shoppe	●	●	●
Central Ave @ Chatterton Ave	●	●	●
Central Ave @ Harding Ave	●	●	●
White Plains TransCenter	●	●	●
Main St @ Galleria Mall	●	●	●
Main St @ Court St	●	●	●
Main St @ S Broadway	●	●	●

- Transfer station between BRT & Route 20 routes

# Guideways & ITS Solutions

## *BRT Lanes*

- Exclusive lanes speed trips for BRT and other Bee-Line buses on Central Avenue.
- Exclusive lanes between Sadore Lane and Yonkers/Greenburgh border.

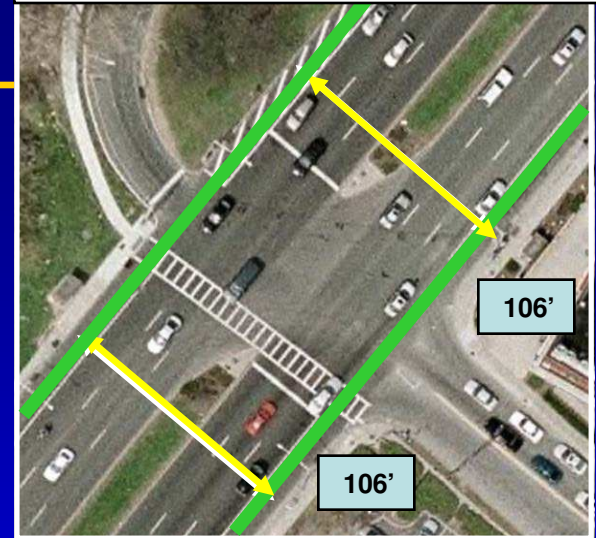
## *Queue Jumpers*

- Allows BRT and other buses to “jump” to the front of queue.
- Queue jumpers installed where they will save the most time.

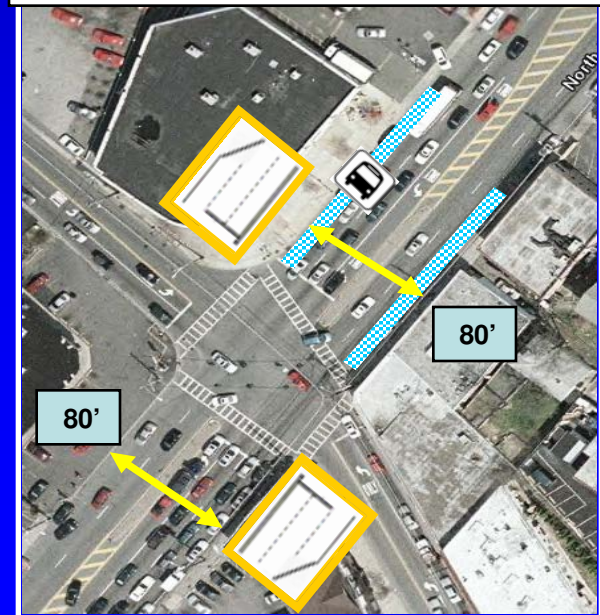
## *Transit Signal Priority (TSP)*

- TSP helps give BRT and local buses a green light.
- This keeps vehicles moving and saves time.

Crisfield St



Queue jumpers on Central Park Ave at Hartsdale Ave



# Intelligent Transportation Systems (ITS) & Branding Solutions

## *ITS*

- Real time message signs at stations let you know when BRT will arrive.
- Real time information sent to your cell phone or PDA.

## *Branding*

- Branding helps define the product/service.
- BRT is a premium service.



The blue and gold color scheme for stations and vehicles and red pavement for exclusive lanes reinforce BRT's image as a premium service.



Some examples of famous premium brands

# Transit Oriented Development Solutions

- BRT can help promote TOD.
- Examples of where TOD can occur
  - ✓ Harding Avenue
    - Mixed use residential, office and retail.
    - Streetscape improvements to sidewalks and crosswalks.
    - Possible park & ride.
  - ✓ Former Barnes & Noble site
    - Mixed use residential, office and retail.
    - Streetscape improvements to sidewalks and crosswalks.
    - Possible park & ride.
  - ✓ Former Yonkers Avenue Parking Garage
    - Mixed use hotel and retail.
    - Improved streetscapes such as sidewalks, street trees and seating area.
    - Possible park & ride.

